

## CLAIMS

We claim:

1. An intervertebral spacer device, comprising:  
first and second plate members, each having an external plate surface thereof, the plate members being disposed such that the external plate surfaces face in opposite directions, at least one of the external plate surfaces having a mesh thereon.
2. The device as set forth in claim 1, wherein an inner surface of the second plate member further comprises a ball-shaped structure extending therefrom.
3. The device as set forth in claim 2, wherein an inner surface of the first plate member comprises a curvate volume for receiving and holding therein the ball-shaped structure.
4. The device as set forth in claim 1, wherein the mesh is deflectable.
5. The device as set forth in claim 1, wherein the mesh is convex.
6. The device as set forth in claim 5, wherein the mesh is deflectable.
7. An intervertebral spacer device, comprising:  
first and second plate members, each having an external plate surface thereof, the plate members being disposed such that the external plate surfaces face in opposite directions, at least one of the external plate surfaces having a convex porous surface thereon.
8. The device as set forth in claim 7, wherein an inner surface of the second plate member further comprises a ball-shaped structure extending therefrom.
9. The device as set forth in claim 8, wherein an inner surface of the first plate member comprises a curvate volume for receiving and holding therein the ball-shaped structure.

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10. The device as set forth in claim 7, wherein the convex porous surface is deflectable.
  11. The device as set forth in claim 7, wherein the convex porous surface comprises a wire mesh.
  12. The device as set forth in claim 7, wherein the convex porous surface comprises a deflectable wire mesh.